

## Dr. Duke's Phytochemical and Ethnobotanical Databases

### List of Plants for Perfumery

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Abelmoschus esculentus</i>	4	224020.0
<i>Abelmoschus moschatus</i>	3	
<i>Abies alba</i>	9	2546.0
<i>Abies balsamea</i>	3	10100.0
<i>Abies sachalinensis</i>	2	12960.0
<i>Abies spectabilis</i>	3	
<i>Abrus precatorius</i>	2	
<i>Abutilon theophrasti</i>	2	
<i>Acacia catechu</i>	1	
<i>Acacia decurrens</i>	1	
<i>Acacia farnesiana</i>	13	
<i>Acacia melanoxylon</i>	1	
<i>Acacia nilotica</i>	1	
<i>Achillea millefolium</i>	29	9092.0
<i>Achillea moschata</i>	1	3708.0
<i>Acinos alpinus</i>	12	
<i>Acinos suaveolens</i>	17	
<i>Aconitum napellus</i>	2	
<i>Acorus calamus</i>	17	14194.0
<i>Acrocomia totai</i>	1	
<i>Actaea racemosa</i>	2	
<i>Actinidia chinensis</i>	1	
<i>Adonis vernalis</i>	1	
<i>Aegle marmelos</i>	3	
<i>Aeolanthus myriantha</i>	4	
<i>Aesculus hippocastanum</i>	4	
<i>Aframomum melegueta</i>	3	

Plants with Activity Synergy	Chemical Count	Total PPM
Agastache foeniculum	6	
Agastache nepetoides	5	
Agastache pallidiflora	2	
Agastache rugosa	7	
Agastache urticifolia	6	4238.0
Agathosma betulina	8	13300.0
Ageratum conyzoides	12	
Agrimonia eupatoria	1	
Akebia quinata	3	
Aleurites fordii	2	195600.0
Aleurites moluccana	2	731160.0
Alisma plantago-aquatica	2	
Alliaria petiolata	3	32560.0
Allium ampeloprasum	3	
Allium cepa	7	9310.0
Allium sativum var. sativum	10	5.0
Allium schoenoprasum	4	23000.0
Alocasia macrorrhiza	1	
Aloe vera	2	
Aloysia citrodora	26	8036.0
Alpinia galanga	14	70080.0
Alpinia officinarum	5	800.0
Althaea officinalis	3	
Ammi majus	2	
Ammi visnaga	2	
Amomum compactum	7	
Amomum xanthioides	3	

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Amphicarpaea bracteata</i>	2	
<i>Anabasis aphylla</i>	1	
<i>Anacardium occidentale</i>	4	1360009.0
<i>Anamirta cocculus</i>	3	171000.0
<i>Ananas comosus</i>	14	15414.48
<i>Anethum graveolens</i>	24	213066.0
<i>Angelica archangelica</i>	34	15403.0
<i>Angelica sinensis</i>	8	
<i>Aniba rosaeodora</i>	1	
<i>Anisomeles malabarica</i>	1	
<i>Annona cherimola</i>	1	245000.0
<i>Annona muricata</i>	3	
<i>Annona reticulata</i>	2	
<i>Annona squamosa</i>	3	
<i>Apium graveolens</i>	38	457250.2
<i>Aquilegia vulgaris</i>	2	42480.0
<i>Arachis hypogaea</i>	3	1035435.0
<i>Aralia cordata</i>	9	1157.5
<i>Aralia spinosa</i>	1	
<i>Arctium lappa</i>	8	
<i>Areca catechu</i>	2	83520.0
<i>Argemone mexicana</i>	1	171600.0
<i>Aristolochia serpentaria</i>	1	
<i>Arnica montana</i>	3	
<i>Artemisia abrotanum</i>	1	
<i>Artemisia absinthium</i>	3	
<i>Artemisia annua</i>	24	7520.0

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Artemisia capillaris</i>	1	
<i>Artemisia dracunculus</i>	24	48663.0
<i>Artemisia herba-alba</i>	8	638.0
<i>Artemisia pallens</i>	2	
<i>Artemisia salsoloides</i>	15	
<i>Artemisia vulgaris</i>	10	
<i>Artocarpus altilis</i>	2	
<i>Asarum canadense</i>	3	
<i>Asclepias syriaca</i>	1	95400.0
<i>Asiasarum heterotropoides</i>	3	
<i>Asiasarum sieboldii</i>	2	
<i>Asimina triloba</i>	5	53810.66
<i>Aspalathus linearis</i>	2	
<i>Asparagus officinalis</i>	5	4128.0
<i>Astragalus gummifer</i>	1	50000.0
<i>Astrocaryum vulgare</i>	1	
<i>Atractylodes lancea</i>	1	
<i>Atropa bella-donna</i>	2	
<i>Avena sativa</i>	5	
<i>Averrhoa carambola</i>	1	
<i>Azadirachta indica</i>	2	638100.0
<i>Bactris gasipaes</i>	2	
<i>Balanites aegyptiacus</i>	2	424000.0
<i>Ballota nigra</i>	6	102.0
<i>Barosma betulina</i>	8	13300.0
<i>Belamcanda chinensis</i>	1	
<i>Benincasa hispida</i>	3	40500.0

Plants with Activity Synergy	Chemical Count	Total PPM
Bertholletia excelsa	3	961800.0
Beta vulgaris	6	8854.0
Betula lenta	1	11976.0
Bidens pilosa	1	
Bixa orellana	2	
Borago officinalis	4	
Boronia megastigma	1	
Boswellia sacra	3	
Boswellia serrata	6	
Brassica chinensis	2	6412.0
Brassica napus var. napobrassica	3	10410.0
Brassica nigra	2	6478.0
Brassica oleracea	6	3365.42
Brassica oleracea var. botrytis l.	7	13640.0
Brassica oleracea var. capitata l.	13	3744.0
Brassica oleracea var. gemmifera	3	3142.0
Brassica oleracea var. italica	6	
Brassica oleracea var. sabellica l.	4	13520.0
Brassica oleracea var. viridis l.	2	
Brassica rapa	3	3200.0
Bryonia alba	2	
Bupleurum chinense	1	
Bursera delpechiana	7	148320.0
Buxus sempervirens	1	
Cajanus cajan	3	2498.0
Calamintha nepeta	18	
Calea zacatechichi	1	

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Calendula officinalis</i>	2	146000.0
<i>Callicarpa americana</i>	15	
<i>Calotropis sp.</i>	1	380000.0
<i>Camellia japonica</i>	2	
<i>Camellia sinensis</i>	34	18152.0
<i>Cananga odorata</i>	14	
<i>Canarium indicum</i>	4	730858.0
<i>Cannabis sativa</i>	6	107400.0
<i>Capparis spinosa</i>	2	368620.0
<i>Capsicum annuum</i>	20	11537.199999999999
<i>Capsicum frutescens</i>	19	2286.0
<i>Carapa guianensis</i>	2	
<i>Carica papaya</i>	21	441748.0
<i>Carthamus tinctorius</i>	8	425839.9
<i>Carum carvi</i>	24	358939.0
<i>Carya illinoensis</i>	2	
<i>Cassia tora</i>	2	69856.0
<i>Catalpa bignonioides</i>	1	
<i>Catalpa ovata</i>	1	
<i>Caulophyllum thalictroides</i>	2	
<i>Cedrus deodora</i>	2	75990.0
<i>Cedrus libani</i>	1	
<i>Ceiba pentandra</i>	2	
<i>Centaurea calcitrapa</i>	2	
<i>Centaurea cyanus</i>	2	
<i>Centaurium erythraea</i>	2	
<i>Centella asiatica</i>	14	

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Ceratonia siliqua</i>	2	
<i>Chamaelirium luteum</i>	2	
<i>Chamaemelum nobile</i>	15	
<i>Chelidonium majus</i>	1	
<i>Chenopodium ambrosioides</i>	6	9750.0
<i>Chimaphila umbellata</i>	1	
<i>Chiococca alba</i>	1	
<i>Chrysanthemum balsamita</i>	3	
<i>Chrysanthemum parthenium</i>	12	
<i>Chrysanthemum x morifolium</i>	14	
<i>Cicer arietinum</i>	3	63050.0
<i>Cichorium endivia</i>	3	3220.0
<i>Cichorium intybus</i>	5	1824.0
<i>Cimicifuga racemosa</i>	2	
<i>Cinnamomum aromaticum</i>	25	22450.0
<i>Cinnamomum camphora</i>	32	32916.0
<i>Cinnamomum verum</i>	39	85264.0
<i>Cistus ladaniferus</i>	15	84420.0
<i>Citrullus colocynthis</i>	9	
<i>Citrullus lanatus</i>	8	510000.0
<i>Citrus aurantiifolia</i>	25	16776.0
<i>Citrus aurantium</i>	35	18398.0
<i>Citrus limon</i>	22	
<i>Citrus medica</i>	3	
<i>Citrus mitis</i>	10	
<i>Citrus paradisi</i>	29	3240.0
<i>Citrus reticulata</i>	31	9380.800000000001

Plants with Activity Synergy	Chemical Count	Total PPM
Citrus sinensis	31	3817.62
Citrus spp	1	
Cleistocalyx fullageri	1	
Cleonia lusitanica	12	
Cnicus benedictus	7	372960.0
Cocos nucifera	11	173634.0
Coffea arabica	6	51200.0
Coix lacryma-jobi	1	
Collinsonia canadensis	3	
Colocasia esculenta	3	19548.0
Commiphora myrrha	7	
Conyza canadensis	4	476.0
Copaifera spp	5	961200.0
Corchorus olitorius	3	43920.0
Coriandrum sativum	25	375442.0
Coriaria thymifolia	2	
Coridothymus capitatus	14	
Cornus mas	2	
Corylus avellana	2	1166100.0
Crataegus laevigata	1	
Crataegus rhipidophylla	1	
Crescentia alata	1	
Crocus sativus	16	
Croton eluteria	7	
Croton lechleri	7	
Croton tiglium	5	379000.0
Cryptostegia grandifolia	2	103530.0



Plants with Activity Synergy	Chemical Count	Total PPM
Cucumis melo	6	985090.0
Cucumis sativus	4	1103818.0
Cucurbita foetidissima	2	
Cucurbita maxima	2	299030.0
Cucurbita pepo	4	765235.0
Cucurbita spp	3	10760.0
Cuminum cyminum	19	79340.0
Cunila origanoides	9	41188.0
Curcuma longa	13	36000.0
Curcuma xanthorrhiza	3	
Curcuma zedoaria	2	
Cyamopsis tetragonoloba	2	
Cydonia oblonga	1	
Cymbopogon citratus	15	33452.0
Cymbopogon flexuosus	7	18500.0
Cymbopogon martinii	6	9500.0
Cymbopogon nardus	20	18768.0
Cymbopogon parkeri	8	37032.0
Cymbopogon winterianus	18	17018.0
Cynara cardunculus	4	1720.0
Cyperus rotundus	4	
Datura metel	1	146000.0
Datura stramonium	8	372000.0
Daucus carota	32	546766.0
Dianthus caryophyllus	2	
Dictamnus albus	7	
Digitalis purpurea	2	

Plants with Activity Synergy	Chemical Count	Total PPM
Dioscorea pentaphylla	3	1076.0
Diospyros virginiana	3	
Dipsacus fullonum	2	
Dipteryx odorata	3	32650.0
Dodonaea viscosa	2	153430.0
Dracocephalum parviflora	2	420.0
Dracocephalum thymiflora	8	1276.0
Drimys winteri	2	
Duboisia myoporoides	1	
Echinacea angustifolia	3	
Echinacea pallida	2	
Echinacea purpurea	3	
Echinacea spp	6	84.0
Elaeagnus angustifolia	1	
Elaeis guineensis	2	
Elaeis oleifera	1	
Elettaria cardamomum	23	225818.0
Eleutherococcus senticosus	2	
Elsholtzia blanda	11	
Elsholtzia cristata	7	
Elsholtzia densa	2	
Elsholtzia eriostachya	6	
Elsholtzia nipponica	3	
Elsholtzia pilosa	11	
Elsholtzia polystachya	19	
Elytrigia repens	5	
Ephedra sinica	14	

Plants with Activity Synergy	Chemical Count	Total PPM
Equisetum arvense	1	
Equisetum hyemale	1	
Eriobotrya japonica	2	
Eriodictyon californicum	1	
Eruca sativa	13	
Eryngium foetidum	1	
Erythrina crista-galli	2	183000.0
Erythroxylum coca	1	350.0
Erythroxylum monogynum	1	
Erythroxylum novogranatense	1	2600.0
Erythroxylum zambesiacum	2	
Eschscholzia californica	1	
Eucalyptus albens	14	
Eucalyptus angulosa	13	
Eucalyptus astringens	14	
Eucalyptus behriana	19	
Eucalyptus blakelyi	13	
Eucalyptus bosistoana	14	
Eucalyptus botryoides	14	
Eucalyptus brassiana	19	
Eucalyptus bridgesiana	9	
Eucalyptus camaldulensis	14	
Eucalyptus ceratocorys	13	
Eucalyptus citriodora	22	61440.0
Eucalyptus cladocalyx	14	
Eucalyptus cuprea	19	
Eucalyptus dealbata	14	

Plants with Activity Synergy	Chemical Count	Total PPM
Eucalyptus desquamata	19	
Eucalyptus diversicolor	14	
Eucalyptus dolichorhyncha	13	
Eucalyptus erythrandra	13	
Eucalyptus fasciculosa	19	
Eucalyptus forrestiana	13	
Eucalyptus globulus	18	17070.0
Eucalyptus incrassata	13	
Eucalyptus intertexta	19	
Eucalyptus lansdowneana	18	
Eucalyptus largisparsa	19	
Eucalyptus leucoxydon	19	
Eucalyptus maculata	13	
Eucalyptus maideni	14	
Eucalyptus melanophloia	19	
Eucalyptus melliodora	14	
Eucalyptus moluccana	14	
Eucalyptus nova-anglica	6	
Eucalyptus occidentalis	14	
Eucalyptus ochrophloia	18	
Eucalyptus odorata	19	
Eucalyptus oviformis	14	
Eucalyptus paniculata	7	
Eucalyptus polyanthemos	14	
Eucalyptus populnea	20	
Eucalyptus porosa	19	
Eucalyptus punctata	12	

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Eucalyptus saligna</i>	11	
<i>Eucalyptus siderophloia</i>	14	
<i>Eucalyptus sideroxylon</i>	12	
<i>Eucalyptus sp</i>	3	
<i>Eucalyptus sparsa</i>	19	
<i>Eucalyptus stoatei</i>	13	
<i>Eucalyptus tereticornis</i>	12	
<i>Eucalyptus tetraptera</i>	13	
<i>Eucalyptus viridis</i>	19	
<i>Eucommia ulmoides</i>	2	
<i>Eugenia uniflora</i>	1	
<i>Eupatorium triplinerve</i>	4	
<i>Euphorbia hirta</i>	1	
<i>Euphorbia lathyris</i>	1	731000.0
<i>Euphorbia tirucalli</i>	1	
<i>Fagopyrum esculentum</i>	3	27320.0
<i>Ferula assa-foetida</i>	4	1200.0
<i>Ferula gummosa</i>	10	
<i>Ferula jaeschkeana</i>	1	988.0
<i>Ferula sumbul</i>	1	
<i>Ficus carica</i>	25	145664.0
<i>Filipendula ulmaria</i>	3	
<i>Foeniculum vulgare</i>	18	436512.0
<i>Fragaria spp</i>	7	45336.0
<i>Fritillaria thunbergii</i>	1	
<i>Fucus vesiculosus</i>	4	
<i>Galeopsis tetrahit</i>	3	100.0

Plants with Activity Synergy	Chemical Count	Total PPM
Galipea officinalis	2	
Ganoderma lucidum	2	
Garcinia cambogia	1	
Gardenia jasminoides	5	
Gastrodia elata	2	
Gaultheria fragrantissima	1	
Gaultheria procumbens	1	15840.0
Geranium thunbergii	1	
Ginkgo biloba	7	23550.0
Glechoma hederacea	11	122.0
Gleditsia triacanthos	1	
Glycine max	11	256102.0
Glycyrrhiza glabra	21	44.0
Gossypium sp	7	133718.0
Guaiacum sp.	2	
Haematoxylum campechianum	1	
Hamamelis virginiana	2	340.0
Harpagophytum procumbens	3	
Hedeoma drummondii	11	42518.0
Hedeoma hispida	7	1800.0
Hedeoma pulegioides	19	61860.0
Hedeoma reverchonii	8	11938.0
Hedera helix	1	140400.0
Hedychium flavum	6	
Helianthus annuus	23	612001.8
Helichrysum angustifolium	6	2000.0
Helleborus niger	1	

Plants with Activity Synergy	Chemical Count	Total PPM
Hesperis matronalis	7	
Hibiscus sabdariffa	10	
Hippophae rhamnoides	3	
Holarrhena pubescens	2	151840.0
Hordeum vulgare	6	32013.8
Houttuynia cordata	9	
Humulus lupulus	17	341.0
Hyacinthus orientalis	9	105.71999999999998
Hydnocarpus kurzii	1	146000.0
Hydnocarpus wightiana	1	82220.0
Hydrangea arborescens	1	
Hydrangea paniculata	1	
Hyoscyamus niger	2	286304.0
Hypericum perforatum	22	
Hyptis suaveolens	14	1830.0
Hyssopus officinalis	28	23170.0
Ilex paraguariensis	4	38000.0
Illicium verum	21	18716.0
Inula helenium	1	
Ipomoea batatas	4	2062.0
Ipomoea purga	2	
Iris versicolor	2	
Iris x germanica	7	
Isanthus brachiatus	6	1854.0
Isatis tinctoria	1	207360.0
Jasminum officinale	13	2188.2799999999997
Jatropha curcas	2	574080.0

Plants with Activity Synergy	Chemical Count	Total PPM
Juglans cinerea	3	438692.0
Juglans nigra	5	
Juglans regia	4	462660.0
Juniperus communis	34	39872.0
Juniperus macropoda	3	
Juniperus oxycedrus	2	
Juniperus sabina	8	
Juniperus virginiana	11	12600.0
Justicia adhatoda	1	257500.0
Justicia pectoralis	1	
Kaempferia galanga	1	
Kalanchoe daegrिमontiana	1	
Kalanchoe pinnata	2	
Lablab purpureus	2	17148.0
Lactuca sativa	3	8334.0
Lactuca scariola	3	286670.0
Lactuca virosa	1	
Lagenaria siceraria	2	194120.0
Lantana camara	13	3200.0
Larrea tridentata	1	
Laurus nobilis	32	24938.0
Lavandula angustifolia	19	23700.0
Lavandula latifolia	25	5864.0
Lavandula sp	3	
Lavandula x hybrida	14	
Lavandula x intermedia	22	10526.0
Lawsonia inermis	2	123290.0



Plants with Activity Synergy	Chemical Count	Total PPM
Ledum palustre	1	
Lens culinaris	3	21790.0
Lentinus edodes	2	
Leonotis leonurus	9	
Leonotis nepetaefolia	2	500080.0
Leonurus cardiaca	5	810.0
Lepechinia calycina	13	2450.0
Lepechinia schiediana	3	6800.0
Lepidium meyenii	1	
Lepidium sativum	3	405880.0
Leptospermum polygalifolium	1	
Levisticum officinale	21	2280.0
Ligustrum japonicum	6	
Ligustrum lucidum	1	
Limonia acidissima	1	
Lindera benzoin	13	
Linum usitatissimum	4	247706.0
Lippia alba	3	
Lippia graveolens	1	
Lippia javanica	1	
Liquidambar orientalis	2	
Liquidambar styraciflua	4	
Litsea glaucescens	15	
Lobelia inflata	1	
Lonicera japonica	12	
Luffa aegyptiaca	3	463600.0
Lupinus albus	5	174480.0

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Lycopersicon esculentum</i>	17	12952.0
<i>Lycopodium clavatum</i>	1	600000.0
<i>Lycopus americanus</i>	1	56.0
<i>Lycopus europeus</i>	1	250.0
<i>Lycopus uniflorus</i>	6	666.0
<i>Lycopus virginicus</i>	5	2564.0
<i>Macadamia spp</i>	3	2247400.0
<i>Maclura pomifera</i>	1	
<i>Magnolia denudata</i>	11	
<i>Magnolia fargesii</i>	2	
<i>Magnolia kobus</i>	3	
<i>Magnolia officinalis</i>	2	
<i>Malus domestica</i>	19	4487.0
<i>Mangifera indica</i>	10	17272.0
<i>Manihot esculenta</i>	3	13640.0
<i>Marrubium vulgare</i>	4	
<i>Matricaria recutita</i>	7	20000.0
<i>Medicago sativa</i>	5	
<i>Melaleuca alternifolia</i>	15	
<i>Melaleuca bracteata</i>	5	
<i>Melaleuca cajuputi</i>	5	
<i>Melaleuca leucadendra</i>	3	
<i>Melaleuca linariifolia</i>	6	
<i>Melaleuca viridiflora</i>	5	
<i>Meleleuca howeana</i>	1	
<i>Melia azedarach</i>	8	45600.0
<i>Melissa officinalis</i>	20	3273.0

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Mentha aquatica</i>	22	17961.0
<i>Mentha arvensis</i> var. <i>piperascens</i>	20	398420.0
<i>Mentha japonica</i>	1	
<i>Mentha longifolia</i>	26	212900.0
<i>Mentha pulegium</i>	30	161292.0
<i>Mentha</i> sp	3	
<i>Mentha spicata</i>	43	99950.0
<i>Mentha</i> x <i>piperita</i>	27	65361.0799999999994
<i>Mentha</i> x <i>rotundifolia</i>	12	36220.0
<i>Menyanthes trifoliata</i>	2	
<i>Metrosideros sclerocarpa</i>	3	
<i>Micromeria congesta</i>	16	
<i>Micromeria croatica</i>	14	
<i>Micromeria dalmatica</i>	6	
<i>Micromeria fruticosa</i>	23	
<i>Micromeria juliana</i>	17	
<i>Micromeria myrtifolia</i>	20	
<i>Micromeria teneriffae</i>	13	
<i>Micromeria thymifolia</i>	14	
<i>Micromeria varia</i>	16	
<i>Mimosa pudica</i>	2	135660.0
<i>Minthostachys mollis</i>	11	
<i>Mitracarpus scaber</i>	1	
<i>Moldavica parviflora</i>	2	
<i>Moldavica thymiflora</i>	8	
<i>Momordica charantia</i>	2	450352.0
<i>Monarda citriodora</i>	11	17660.0

Plants with Activity Synergy	Chemical Count	Total PPM
Monarda clinopodia	7	10966.0
Monarda didyma	16	12228.0
Monarda fistulosa	13	148674.0
Monarda lindheimeri	5	754.0
Monarda media	8	7822.0
Monarda punctata	12	87822.0
Monarda russeliana	6	12244.0
Morinda citrifolia	5	
Moringa oleifera	3	
Morus alba	11	
Mucuna pruriens	2	47750.0
Murraya koenigii	21	
Murraya sp	2	
Musa x paradisiaca	6	5956.0
Myrciaria dubia	9	
Myrica cerifera	4	
Myristica fragrans	23	522100.0
Myroxylon balsamum	10	
Myrrhis odorata	2	
Myrtus communis	30	4296.0
Narcissus tazetta	3	380.0
Nardostachys chinensis	1	
Nardostachys jatamansi	3	
Nelumbo nucifera	3	13412.0
Nepeta cataria	12	3630.0
Nepeta cilicia	1	
Nepeta racemosa	20	

Plants with Activity Synergy	Chemical Count	Total PPM
Nerium oleander	2	
Neurolaena lobata	1	
Nicotiana tabacum	15	245000.0
Nigella sativa	5	409408.0
Ocimum basilicum	42	75036.2
Ocimum canum	12	
Ocimum gratissimum	28	
Ocimum kilimandscharicum	7	
Ocimum sanctum	3	
Ocimum sp	1	
Ocimum suave	5	
Ocimum tenuiflorum	15	
Oenanthe aquatica	3	40000.0
Oenanthe javanica	2	
Oenothera biennis	2	124300.0
Olea europaea	3	664000.0
Ononis spinosa	2	
Opuntia ficus-indica	3	53140.0
Origanum creticum	2	
Origanum majorana	24	37772.0
Origanum minutiflorum	14	
Origanum onites	25	2052.0
Origanum sipyleum	13	
Origanum syriacum	20	
Origanum vulgare	33	48750.0
Oryza sativa	4	16740.0
Pachira aquatica	2	533600.0

Plants with Activity Synergy	Chemical Count	Total PPM
Pachyrhizus erosus	2	
Panax ginseng	18	
Panax quinquefolius	13	80274.0
Papaver bracteatum	2	112320.0
Papaver somniferum	6	159934.0
Passiflora edulis	2	
Passiflora incarnata	2	
Pastinaca sativa	12	328310.0
Pavonia odorata	2	
Pelargonium citrosum	13	
Pelargonium graveolens	3	8856.0
Pelargonium roseum	8	
Peperomia pelucida	1	
Perilla frutescens	4	
Persea americana	7	2137840.0
Petasites hybridus	5	
Petiveria alliacea	1	
Petroselinum crispum	24	241954.8
Peucedanum ostruthium	3	6720.0
Peumus boldus	19	4509.0
Phaseolus lunatus	3	8198.0
Phaseolus vulgaris	4	27406.0
Phellodendron amurense	1	
Phoenix dactylifera	4	119820.0
Phyllanthus emblica	2	97760.0
Phyllanthus niruri	1	
Physalis ixocarpa	1	40.0

Plants with Activity Synergy	Chemical Count	Total PPM
Physalis peruviana	2	60220.0
Physostigma venenosum	2	
Phytolacca americana	1	
Picea glauca	2	
Picea mariana	2	414.0
Pilocarpus jaborandi	2	300.0
Pilocarpus microphyllus	3	1180.0
Pimenta dioica	21	95338.0
Pimenta racemosa	23	128760.0
Pimpinella anisum	15	618.0
Pinellia ternata	2	
Pinus edulis	3	
Pinus elliottii	3	
Pinus gerardiana	4	
Pinus insularis	2	
Pinus kesiya	2	
Pinus mugo	6	
Pinus palustris	4	480500.0
Pinus pinea	3	
Pinus roxburghii	2	
Pinus sylvestris	19	8000.0
Pinus walliciana	8	
Piper auritum	15	
Piper betel	4	65560.0
Piper cubeba	17	57600.0
Piper methysticum	1	
Piper nigrum	35	30618.0

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Piscidia piscipula</i>	2	
<i>Pistacia lentiscus</i>	4	
<i>Pistacia vera</i>	5	1477102.0
<i>Pisum sativum</i>	5	16188.0
<i>Plantago asiatica</i>	3	
<i>Plantago major</i>	2	148000.0
<i>Plantago ovata</i>	2	45840.0
<i>Plantago psyllium</i>	2	7056.0
<i>Plectranthus coleoides</i>	6	
<i>Plectranthus incanus</i>	4	
<i>Plumeria acutifolia</i>	3	
<i>Pogostemon cablin</i>	8	
<i>Polianthes tuberosa</i>	10	
<i>Polygala senega</i>	1	2000.0
<i>Polygonum hydropiper</i>	1	
<i>Polypodium vulgare</i>	2	
<i>Populus balsamifera</i>	1	
<i>Populus tacamahacca</i>	1	
<i>Porophyllum ruderale</i>	8	
<i>Portulaca oleracea</i>	3	117066.0
<i>Prosopis glandulosa</i>	1	
<i>Prunella vulgaris</i>	7	
<i>Prunus armeniaca</i>	6	828220.0
<i>Prunus cerasus</i>	9	432368.0
<i>Prunus domestica</i>	4	758614.0
<i>Prunus dulcis</i>	6	847597.0
<i>Prunus laurocerasus</i>	2	45060.0



Plants with Activity Synergy	Chemical Count	Total PPM
<i>Prunus persica</i>	8	11180.0
<i>Psidium cattleianum</i>	3	12720.0
<i>Psidium guajava</i>	14	73502.0
<i>Psophocarpus tetragonolobus</i>	3	347334.0
<i>Psoralea corylifolia</i>	3	
<i>Pteridium aquilinum</i>	1	
<i>Ptychopetalum olacoides</i>	1	
<i>Pueraria montana</i>	2	
<i>Pueraria pseudohirsuta</i>	1	
<i>Punica granatum</i>	3	
<i>Pycnanthemum albescens</i>	6	63288.0
<i>Pycnanthemum beadleii</i>	12	12544.0
<i>Pycnanthemum californicum</i>	10	60192.0
<i>Pycnanthemum clinopodioides</i>	14	55836.0
<i>Pycnanthemum curvipes</i>	6	504.0
<i>Pycnanthemum flexuosum</i>	1	1224.0
<i>Pycnanthemum incanum</i>	14	43776.0
<i>Pycnanthemum loomisii</i>	11	30492.0
<i>Pycnanthemum montanum</i>	12	4788.0
<i>Pycnanthemum muticum</i>	11	109100.0
<i>Pycnanthemum nudum</i>	1	46696.0
<i>Pycnanthemum pilosum</i>	12	202300.0
<i>Pycnanthemum pycnanthemoides</i>	13	129224.0
<i>Pycnanthemum setosum</i>	14	64170.0
<i>Pycnanthemum tenuifolium</i>	19	55260.0
<i>Pycnanthemum torreyi</i>	9	18584.0
<i>Pycnanthemum verticillatum</i>	8	39480.0

Plants with Activity Synergy	Chemical Count	Total PPM
<i>Pycnanthemum virginianum</i>	14	79878.0
<i>Pyrus communis</i>	4	20382.0
<i>Quercus rubra</i>	1	
<i>Quercus suber</i>	1	
<i>Quisqualis indica</i>	3	309420.0
<i>Raphanus sativus</i>	4	14340.0
<i>Ravensara aromatica</i>	11	
<i>Rheum officinale</i>	1	
<i>Rheum palmatum</i>	10	
<i>Rheum rhabarbarum</i>	2	
<i>Rhizophora mangle</i>	1	4460.0
<i>Rhododendron dauricum</i>	2	
<i>Rhus toxicodendron</i>	1	
<i>Ribes nigrum</i>	20	7072.0
<i>Ribes rubrum</i>	5	3862.0
<i>Ribes uva-crispa</i>	3	10550.0
<i>Ricinus communis</i>	4	
<i>Robinia pseudoacacia</i>	6	72750.0
<i>Rosa canina</i>	5	
<i>Rosa gallica</i>	6	630.0
<i>Rosa rubiginosa</i>	2	
<i>Rosmarinus eriocalyx</i>	12	
<i>Rosmarinus officinalis</i>	38	45378.0
<i>Rosmarinus tomentosus</i>	12	
<i>Rosmarinus x lavandulaceus</i>	12	
<i>Rosmarinus x mendizabalii</i>	12	
<i>Rubus fruticosus</i>	1	

Plants with Activity Synergy	Chemical Count	Total PPM
Rubus idaeus	9	
Ruta graveolens	7	
Saccharum officinarum	1	
Salvia canariensis	12	
Salvia dorisiana	19	
Salvia gilliesii	7	
Salvia officinalis	28	167636.0
Salvia sclarea	22	169572.0
Salvia sp.	2	
Salvia triloba	5	13320.0
Sambucus canadensis	2	43520.0
Sambucus nigra	4	
Santalum acuminatum	2	
Santalum album	10	
Santolina chamaecyparissus	3	
Sarcostemma acidum	1	
Sassafras albidum	19	101000.0
Satureja cilicica	11	
Satureja cuneifolia	12	
Satureja douglasii	16	30940.0
Satureja glabella	6	4040.0
Satureja grandiflora	8	
Satureja hortensis	19	117600.0
Satureja montana	22	30107.0
Satureja obovata	20	
Satureja odora	10	
Satureja parvifolia	11	

Plants with Activity Synergy	Chemical Count	Total PPM
Satureja subspicata	11	
Satureja thymbra	14	
Satureja vulgaris	1	212.0
Schinus molle	5	
Schisandra chinensis	1	
Schoenocaulon officinale	3	
Sclerocarya caffra	1	840000.0
Scutellaria churchilliana	2	158.0
Scutellaria galericulata	3	508.0
Scutellaria lateriflora	2	
Scutellaria parvula	7	712.0
Secale cereale	3	
Senna obtusifolia	2	34870.0
Senna occidentalis	1	15964.0
Serenoa repens	5	
Sesamum indicum	4	634752.0
Sideritis athoa	9	
Sideritis germanicolpitana	10	
Sideritis mugronensis	14	
Sideritis pauli	11	
Sideritis scardica	11	
Silybum marianum	2	
Simarouba glauca	2	1147240.0
Sinapis alba	2	136404.0
Skimmia arborescens	11	
Smilax china	1	
Solanum melongena	4	5526.0

Plants with Activity Synergy	Chemical Count	Total PPM
Solanum nigrum	2	221880.0
Solanum tuberosum	10	666.0
Sophora japonica	1	53960.0
Sophora pachycarpa	1	
Sorbus aucubaria	1	
Spartium junceum	2	
Spinacia oleracea	4	1662.0
Stachys germanica	4	188.0
Stachytarpheta cayennensis	2	
Stellaria media	3	
Sterculia urens	3	356720.0
Stevia rebaudiana	20	
Strophanthus gratus	1	180000.0
Strychnos nux-vomica	2	68600.0
Styrax benzoin	2	
Styrax tonkinensis	1	
Swertia chirata	2	
Syringa vulgaris	5	
Syzygium aromaticum	17	480102.0
Tabebuia impetiginosa	1	
Tagetes erecta	2	718.0
Tagetes filifolia	2	
Tagetes lucida	9	
Tagetes minuta	16	6390.0
Tagetes patula	2	868.0
Tamarindus indica	11	52560.0
Tanacetum parthenium	12	

Plants with Activity Synergy	Chemical Count	Total PPM
Tanacetum vulgare	7	1800.0
Taraxacum officinale	2	
Tecoma stans	2	1380.0
Telosma cordata	9	
Terminalia bellirica	2	
Terminalia catappa	2	571050.0
Terminalia chebula	3	426000.0
Terminalia pallida	2	
Tetraclinis articulata	2	
Tetragonia tetragonioides	3	3340.0
Teucrium arduini	4	
Teucrium asiaticum	16	
Teucrium cyprium	17	
Teucrium divaricatum	17	
Teucrium gnaphalodes	16	
Teucrium kotschyianum	17	
Teucrium micropodioides	17	
Teucrium oxylepis	16	
Teucrium polium	25	
Teucrium pseudoscorodonia	16	
Teucrium salviastrum	16	
Teucrium scorodonia	16	
Theobroma angustifolium	2	
Theobroma bicolor	2	
Theobroma cacao	10	458300.0
Thespesia populnea	1	
Thevetia neriifolia	2	

Plants with Activity Synergy	Chemical Count	Total PPM
Thevetia peruviana	2	
Thuja occidentalis	6	
Thymus broussonettii	11	
Thymus capitatus	28	5680.0
Thymus cilicicus	7	
Thymus funkii	28	
Thymus longicaulis	18	
Thymus mastichina	16	4884.0
Thymus orospedanus	10	16632.0
Thymus riatarum	17	
Thymus saturejoides	11	
Thymus serpyllum	21	16882.0
Thymus vulgaris	22	147020.0
Thymus x citriodorus	15	
Thymus zygis	14	
Tilia sp.	11	
Trachyspermum ammi	7	84800.0
Tribulus terrestris	2	
Trichosanthes anguina	2	297270.0
Trichosanthes kirilowii	1	
Trichostemma dichotomum	10	
Trifolium pratense	13	
Trigonella foenum-graecum	2	
Triticum aestivum	2	
Tsuga canadensis	4	240.0
Turnera diffusa	4	160000.0
Tussilago farfara	1	

Plants with Activity Synergy	Chemical Count	Total PPM
Umbellularia californica	20	17320.0
Uncaria catechu	1	
Uncaria guianensis	1	
Urtica dioica	7	46230.0
Vaccinium corymbosum	13	1.9600000000000002
Vaccinium macrocarpon	2	
Vaccinium myrtillus	12	
Valeriana jatamansi	4	
Valeriana officinalis	25	
Vanilla planifolia	20	60000.0
Vanilla tahitensis	1	
Veratrum album	1	
Veratrum viride	1	
Verbascum thapsus	2	
Verbena officinalis	1	
Vernonia cinerea	1	
Vetiveria zizanioides	4	
Viburnum opulus	3	
Viburnum prunifolium	5	
Vicia faba	3	5370.0
Vigna aconitifolia	3	6842.0
Vigna angularis	1	1524.0
Vigna mungo	2	12550.0
Vigna radiata	3	20344.0
Vigna unguiculata	3	25354.0
Viola odorata	4	714.0
Viola tricolor	1	



Plants with Activity Synergy	Chemical Count	Total PPM
<i>Virola surinamensis</i>	1	
<i>Vitellaria paradoxa</i>	2	
<i>Vitex agnus-castus</i>	10	
<i>Vitis vinifera</i>	13	166332.0
<i>Withania somnifera</i>	1	
<i>Zanthoxylum alatum</i>	5	
<i>Zea mays</i>	24	29846.0
<i>Zingiber officinale</i>	37	106110.0